

OIKE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/990,441

DATE: 11/28/2001  
TIME: 11:46:13

Input Set : A:\Seq\_Listing\_for\_P2730P1C47.wpd  
Output Set: N:\CRF3\11212001\I990441.raw

#2  
0590  
1205  
P.5  
**ENTERED**

3 <110> APPLICANT: Ashkenazi, Avi J.  
4 Baker, Kevin P.  
5 Botstein, David  
6 Desnoyers, Luc  
7 Eaton, Dan L.  
8 Ferrara, Napoleone  
9 Fong, Sherman  
10 Gerber, Hanspeter  
11 Gerritsen, Mary E.  
12 Goddard, Audrey  
13 Godowski, Paul J.  
14 Grimaldi, J. Christopher  
15 Gurney, Austin L.  
16 Kljavin, Ivar J.  
17 Napier, Mary A.  
18 Pan, James  
19 Paoni, Nicholas F.  
20 Roy, Margaret Ann  
21 Stewart, Timothy A.  
22 Tumas, Daniel  
23 Watanabe, Colin K.  
24 Williams, P. Mickey  
25 Wood, William I.  
26 Zhang, Zemin  
28 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
29 Acids Encoding the Same  
31 <130> FILE REFERENCE: P2730P1C47  
C--> 33 <140> CURRENT APPLICATION NUMBER: US/09/990,441  
C--> 33 <141> CURRENT FILING DATE: 2001-11-16  
33 <150> PRIOR APPLICATION NUMBER: 60/049787  
34 <151> PRIOR FILING DATE: 1997-06-16  
36 <150> PRIOR APPLICATION NUMBER: 60/062250  
37 <151> PRIOR FILING DATE: 1997-10-17  
39 <150> PRIOR APPLICATION NUMBER: 60/065186  
40 <151> PRIOR FILING DATE: 1997-11-12  
42 <150> PRIOR APPLICATION NUMBER: 60/065311  
43 <151> PRIOR FILING DATE: 1997-11-13  
45 <150> PRIOR APPLICATION NUMBER: 60/066770  
46 <151> PRIOR FILING DATE: 1997-11-24  
48 <150> PRIOR APPLICATION NUMBER: 60/075945  
49 <151> PRIOR FILING DATE: 1998-02-25  
51 <150> PRIOR APPLICATION NUMBER: 60/078910  
52 <151> PRIOR FILING DATE: 1998-03-20  
54 <150> PRIOR APPLICATION NUMBER: 60/083322  
55 <151> PRIOR FILING DATE: 1998-04-28  
57 <150> PRIOR APPLICATION NUMBER: 60/084600  
58 <151> PRIOR FILING DATE: 1998-05-07

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/990,441

DATE: 11/28/2001

TIME: 11:46:13

Input Set : A:\Seq\_Listing\_for\_P2730P1C47.wpd

Output Set: N:\CRF3\11212001\I990441.raw

60 <150> PRIOR APPLICATION NUMBER: 60/087106  
61 <151> PRIOR FILING DATE: 1998-05-28  
63 <150> PRIOR APPLICATION NUMBER: 60/087607  
64 <151> PRIOR FILING DATE: 1998-06-02  
66 <150> PRIOR APPLICATION NUMBER: 60/087609  
67 <151> PRIOR FILING DATE: 1998-06-02  
69 <150> PRIOR APPLICATION NUMBER: 60/087759  
70 <151> PRIOR FILING DATE: 1998-06-02  
72 <150> PRIOR APPLICATION NUMBER: 60/087827  
73 <151> PRIOR FILING DATE: 1998-06-03  
75 <150> PRIOR APPLICATION NUMBER: 60/088021  
76 <151> PRIOR FILING DATE: 1998-06-04  
78 <150> PRIOR APPLICATION NUMBER: 60/088025  
79 <151> PRIOR FILING DATE: 1998-06-04  
81 <150> PRIOR APPLICATION NUMBER: 60/088026  
82 <151> PRIOR FILING DATE: 1998-06-04  
84 <150> PRIOR APPLICATION NUMBER: 60/088028  
85 <151> PRIOR FILING DATE: 1998-06-04  
87 <150> PRIOR APPLICATION NUMBER: 60/088029  
88 <151> PRIOR FILING DATE: 1998-06-04  
90 <150> PRIOR APPLICATION NUMBER: 60/088030  
91 <151> PRIOR FILING DATE: 1998-06-04  
93 <150> PRIOR APPLICATION NUMBER: 60/088033  
94 <151> PRIOR FILING DATE: 1998-06-04  
96 <150> PRIOR APPLICATION NUMBER: 60/088326  
97 <151> PRIOR FILING DATE: 1998-06-04  
99 <150> PRIOR APPLICATION NUMBER: 60/088167  
100 <151> PRIOR FILING DATE: 1998-06-05  
102 <150> PRIOR APPLICATION NUMBER: 60/088202  
103 <151> PRIOR FILING DATE: 1998-06-05  
105 <150> PRIOR APPLICATION NUMBER: 60/088212  
106 <151> PRIOR FILING DATE: 1998-06-05  
108 <150> PRIOR APPLICATION NUMBER: 60/088217  
109 <151> PRIOR FILING DATE: 1998-06-05  
111 <150> PRIOR APPLICATION NUMBER: 60/088655  
112 <151> PRIOR FILING DATE: 1998-06-09  
114 <150> PRIOR APPLICATION NUMBER: 60/088734  
115 <151> PRIOR FILING DATE: 1998-06-10  
117 <150> PRIOR APPLICATION NUMBER: 60/088738  
118 <151> PRIOR FILING DATE: 1998-06-10  
120 <150> PRIOR APPLICATION NUMBER: 60/088742  
121 <151> PRIOR FILING DATE: 1998-06-10  
123 <150> PRIOR APPLICATION NUMBER: 60/088810  
124 <151> PRIOR FILING DATE: 1998-06-10  
126 <150> PRIOR APPLICATION NUMBER: 60/088824  
127 <151> PRIOR FILING DATE: 1998-06-10  
129 <150> PRIOR APPLICATION NUMBER: 60/088826  
130 <151> PRIOR FILING DATE: 1998-06-10  
132 <150> PRIOR APPLICATION NUMBER: 60/088858

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/990,441

DATE: 11/28/2001

TIME: 11:46:13

Input Set : A:\Seq\_Listing\_for\_P2730P1C47.wpd

Output Set: N:\CRF3\11212001\I990441.raw

133 <151> PRIOR FILING DATE: 1998-06-11  
135 <150> PRIOR APPLICATION NUMBER: 60/088861  
136 <151> PRIOR FILING DATE: 1998-06-11  
138 <150> PRIOR APPLICATION NUMBER: 60/088876  
139 <151> PRIOR FILING DATE: 1998-06-11  
141 <150> PRIOR APPLICATION NUMBER: 60/089105  
142 <151> PRIOR FILING DATE: 1998-06-12  
144 <150> PRIOR APPLICATION NUMBER: 60/089440  
145 <151> PRIOR FILING DATE: 1998-06-16  
147 <150> PRIOR APPLICATION NUMBER: 60/089512  
148 <151> PRIOR FILING DATE: 1998-06-16  
150 <150> PRIOR APPLICATION NUMBER: 60/089514  
151 <151> PRIOR FILING DATE: 1998-06-16  
153 <150> PRIOR APPLICATION NUMBER: 60/089532  
154 <151> PRIOR FILING DATE: 1998-06-17  
156 <150> PRIOR APPLICATION NUMBER: 60/089538  
157 <151> PRIOR FILING DATE: 1998-06-17  
159 <150> PRIOR APPLICATION NUMBER: 60/089598  
160 <151> PRIOR FILING DATE: 1998-06-17  
162 <150> PRIOR APPLICATION NUMBER: 60/089599  
163 <151> PRIOR FILING DATE: 1998-06-17  
165 <150> PRIOR APPLICATION NUMBER: 60/089600  
166 <151> PRIOR FILING DATE: 1998-06-17  
168 <150> PRIOR APPLICATION NUMBER: 60/089653  
169 <151> PRIOR FILING DATE: 1998-06-17  
171 <150> PRIOR APPLICATION NUMBER: 60/089801  
172 <151> PRIOR FILING DATE: 1998-06-18  
174 <150> PRIOR APPLICATION NUMBER: 60/089907  
175 <151> PRIOR FILING DATE: 1998-06-18  
177 <150> PRIOR APPLICATION NUMBER: 60/089908  
178 <151> PRIOR FILING DATE: 1998-06-18  
180 <150> PRIOR APPLICATION NUMBER: 60/089947  
181 <151> PRIOR FILING DATE: 1998-06-19  
183 <150> PRIOR APPLICATION NUMBER: 60/089948  
184 <151> PRIOR FILING DATE: 1998-06-19  
186 <150> PRIOR APPLICATION NUMBER: 60/089952  
187 <151> PRIOR FILING DATE: 1998-06-19  
189 <150> PRIOR APPLICATION NUMBER: 60/090246  
190 <151> PRIOR FILING DATE: 1998-06-22  
192 <150> PRIOR APPLICATION NUMBER: 60/090252  
193 <151> PRIOR FILING DATE: 1998-06-22  
195 <150> PRIOR APPLICATION NUMBER: 60/090254  
196 <151> PRIOR FILING DATE: 1998-06-22  
198 <150> PRIOR APPLICATION NUMBER: 60/090349  
199 <151> PRIOR FILING DATE: 1998-06-23  
201 <150> PRIOR APPLICATION NUMBER: 60/090355  
202 <151> PRIOR FILING DATE: 1998-06-23  
204 <150> PRIOR APPLICATION NUMBER: 60/090429  
205 <151> PRIOR FILING DATE: 1998-06-24

## RAW SEQUENCE LISTING

DATE: 11/28/2001

PATENT APPLICATION: US/09/990,441

TIME: 11:46:13

Input Set : A:\Seq\_Listing\_for\_P2730PlC47.wpd

Output Set: N:\CRF3\11212001\I990441.raw

207 <150> PRIOR APPLICATION NUMBER: 60/090431  
208 <151> PRIOR FILING DATE: 1998-06-24  
210 <150> PRIOR APPLICATION NUMBER: 60/090435  
211 <151> PRIOR FILING DATE: 1998-06-24  
213 <150> PRIOR APPLICATION NUMBER: 60/090444  
214 <151> PRIOR FILING DATE: 1998-06-24  
216 <150> PRIOR APPLICATION NUMBER: 60/090445  
217 <151> PRIOR FILING DATE: 1998-06-24  
219 <150> PRIOR APPLICATION NUMBER: 60/090472  
220 <151> PRIOR FILING DATE: 1998-06-24  
222 <150> PRIOR APPLICATION NUMBER: 60/090535  
223 <151> PRIOR FILING DATE: 1998-06-24  
225 <150> PRIOR APPLICATION NUMBER: 60/090540  
226 <151> PRIOR FILING DATE: 1998-06-24  
228 <150> PRIOR APPLICATION NUMBER: 60/090542  
229 <151> PRIOR FILING DATE: 1998-06-24  
231 <150> PRIOR APPLICATION NUMBER: 60/090557  
232 <151> PRIOR FILING DATE: 1998-06-24  
234 <150> PRIOR APPLICATION NUMBER: 60/090676  
235 <151> PRIOR FILING DATE: 1998-06-25  
237 <150> PRIOR APPLICATION NUMBER: 60/090678  
238 <151> PRIOR FILING DATE: 1998-06-25  
240 <150> PRIOR APPLICATION NUMBER: 60/090690  
241 <151> PRIOR FILING DATE: 1998-06-25  
243 <150> PRIOR APPLICATION NUMBER: 60/090694  
244 <151> PRIOR FILING DATE: 1998-06-25  
246 <150> PRIOR APPLICATION NUMBER: 60/090695  
247 <151> PRIOR FILING DATE: 1998-06-25  
249 <150> PRIOR APPLICATION NUMBER: 60/090696  
250 <151> PRIOR FILING DATE: 1998-06-25  
252 <150> PRIOR APPLICATION NUMBER: 60/090862  
253 <151> PRIOR FILING DATE: 1998-06-26  
255 <150> PRIOR APPLICATION NUMBER: 60/090863  
256 <151> PRIOR FILING DATE: 1998-06-26  
258 <150> PRIOR APPLICATION NUMBER: 60/091360  
259 <151> PRIOR FILING DATE: 1998-07-01  
261 <150> PRIOR APPLICATION NUMBER: 60/091478  
262 <151> PRIOR FILING DATE: 1998-07-02  
264 <150> PRIOR APPLICATION NUMBER: 60/091544  
265 <151> PRIOR FILING DATE: 1998-07-01  
267 <150> PRIOR APPLICATION NUMBER: 60/091519  
268 <151> PRIOR FILING DATE: 1998-07-02  
270 <150> PRIOR APPLICATION NUMBER: 60/091626  
271 <151> PRIOR FILING DATE: 1998-07-02  
273 <150> PRIOR APPLICATION NUMBER: 60/091633  
274 <151> PRIOR FILING DATE: 1998-07-02  
276 <150> PRIOR APPLICATION NUMBER: 60/091978  
277 <151> PRIOR FILING DATE: 1998-07-07  
279 <150> PRIOR APPLICATION NUMBER: 60/091982

## RAW SEQUENCE LISTING

DATE: 11/28/2001

PATENT APPLICATION: US/09/990,441

TIME: 11:46:13

Input Set : A:\Seq\_Listing\_for\_P2730PlC47.wpd

Output Set: N:\CRF3\11212001\I990441.raw

280 <151> PRIOR FILING DATE: 1998-07-07  
282 <150> PRIOR APPLICATION NUMBER: 60/092182  
283 <151> PRIOR FILING DATE: 1998-07-09  
285 <150> PRIOR APPLICATION NUMBER: 60/092472  
286 <151> PRIOR FILING DATE: 1998-07-10  
288 <150> PRIOR APPLICATION NUMBER: 60/091628  
289 <151> PRIOR FILING DATE: 1998-07-02  
291 <150> PRIOR APPLICATION NUMBER: 60/091646  
292 <151> PRIOR FILING DATE: 1998-07-02  
294 <150> PRIOR APPLICATION NUMBER: 60/091673  
295 <151> PRIOR FILING DATE: 1998-07-02  
297 <150> PRIOR APPLICATION NUMBER: 60/093339  
298 <151> PRIOR FILING DATE: 1998-07-20  
300 <150> PRIOR APPLICATION NUMBER: 60/094651  
301 <151> PRIOR FILING DATE: 1998-07-30  
303 <150> PRIOR APPLICATION NUMBER: 60/095282  
304 <151> PRIOR FILING DATE: 1998-08-04  
306 <150> PRIOR APPLICATION NUMBER: 60/095285  
307 <151> PRIOR FILING DATE: 1998-08-04  
309 <150> PRIOR APPLICATION NUMBER: 60/095302  
310 <151> PRIOR FILING DATE: 1998-08-04  
312 <150> PRIOR APPLICATION NUMBER: 60/095318  
313 <151> PRIOR FILING DATE: 1998-08-04  
315 <150> PRIOR APPLICATION NUMBER: 60/095321  
316 <151> PRIOR FILING DATE: 1998-08-04  
318 <150> PRIOR APPLICATION NUMBER: 60/095301  
319 <151> PRIOR FILING DATE: 1998-08-04  
321 <150> PRIOR APPLICATION NUMBER: 60/095325  
322 <151> PRIOR FILING DATE: 1998-08-04  
324 <150> PRIOR APPLICATION NUMBER: 60/095916  
325 <151> PRIOR FILING DATE: 1998-08-10  
327 <150> PRIOR APPLICATION NUMBER: 60/095929  
328 <151> PRIOR FILING DATE: 1998-08-10  
330 <150> PRIOR APPLICATION NUMBER: 60/096012  
331 <151> PRIOR FILING DATE: 1998-08-10  
333 <150> PRIOR APPLICATION NUMBER: 60/096143  
334 <151> PRIOR FILING DATE: 1998-08-11  
336 <150> PRIOR APPLICATION NUMBER: 60/096146  
337 <151> PRIOR FILING DATE: 1998-08-11  
339 <150> PRIOR APPLICATION NUMBER: 60/096329  
340 <151> PRIOR FILING DATE: 1998-08-12  
342 <150> PRIOR APPLICATION NUMBER: 60/096757  
343 <151> PRIOR FILING DATE: 1998-08-17  
345 <150> PRIOR APPLICATION NUMBER: 60/096766  
346 <151> PRIOR FILING DATE: 1998-08-17  
348 <150> PRIOR APPLICATION NUMBER: 60/096768  
349 <151> PRIOR FILING DATE: 1998-08-17  
351 <150> PRIOR APPLICATION NUMBER: 60/096773  
352 <151> PRIOR FILING DATE: 1998-08-17

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 11/28/2001

PATENT APPLICATION: US/09/990,441

TIME: 11:46:14

Input Set : A:\Seq\_Listing\_for\_P2730P1C47.wpd

Output Set: N:\CRF3\11212001\I990441.raw

L:33 M:270 C: Current Application Number differs, Replaced Current Application No  
L:33 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:2927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:2931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:2933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:3112 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:3117 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:3122 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:4455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:4461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:4740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:4746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:4771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76  
L:4831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:4835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:5850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:5854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:5856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:5858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:5866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:5868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:5881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:5914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:5916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:5920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:5922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:5924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:5926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:5939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:5941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:5943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:5955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:5959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:7597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/990,441

DATE: 11/28/2001

TIME: 11:46:14

Input Set : A:\Seq\_Listing\_for\_P2730PlC47.wpd

Output Set: N:\CRF3\11212001\I990441.raw

L:7599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136  
L:7601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136  
L:7605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136  
L:7823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139  
L:7850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140  
L:7856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140  
L:8139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149  
L:8342 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153  
L:8347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153  
L:8352 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153  
L:10323 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:10328 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:10333 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:10338 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:10343 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:13416 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236  
L:13421 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236  
L:13426 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236  
L:18861 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:342  
L:18864 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:342